



Firm A in Industrial Sector 1 contacts Supplier Firm B in Industrial Sector 2 using the computer network server as connection mechanism.

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Network server computer establishes connection to web site host computer that hosts regional industry-to-industry electronic commerce web site.

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Firm A negotiates price, terms, conditions of transaction with Firm B using the electronic web site as communication medium to facilitate market exchange.

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Data on price and quantity of transaction between Firm A and Firm B stored in temporary memory of web host computer.

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Data from single transaction aggregated into multiple transactions according to logical accounting framework of regional input-output transaction table.

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Aggregated data on multiple transactions in multiple industrial sectors transmitted from temporary memory of web host computer to data base computer.

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Data base computer performs analysis, evaluations, modifications to transaction data using computer software in order to evaluate inter-industrial transaction patterns.

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Data base computer converts transaction data into technical coefficients matrix using computer software in order to allow for further analysis of regional economic development.

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Figure 2.

Single firm A uses electronic commerce web site host computer to negotiate directly with single supplier Firm B the details of the transaction contract.

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Multiple sellers and multiple buyers from multiple industrial sectors use electronic commerce web site as communication medium to post fixed price offerings and fixed quantities offerings.

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Multiple sellers and multiple buyers from multiple industrial sectors offer bids and quotes for variable quantities using the electronic web site computer to facilitate market exchanges.

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Multiple sellers and multiple buyers from multiple industrial sectors use the electronic web site host computer to facilitate auction exchanges, meeting either in real time auctions, or meeting asynchronously to post bids on variable quantities.

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Figure 3.